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Nota di contenuto	An Insight into Vital Genes Responsible for -cell Formation -- Mesenchymal Stem Cells: A Promising Treatment for Thymic Involution -- Extracellular Vesicles in Domestic Animals: Cellular Communication in Health and Disease -- Secretome Analysis of Human Nasal Fibroblast Identifies Proteins That Promote Wound Healing -- Recellularization of Acellular Xeno Kidney Scaffold: An In Vivo Method to Generate Bioartificial Kidney -- Regulation of Hepatocellular Carcinoma Epithelial-Mesenchymal Transition Mechanism and Targeted Therapeutic Approaches -- The Application of Electromagnetic Fields in Cancer -- Systemic Inflammation but not Oxidative Stress Is Associated with Physical Performance in Moderate Chronic Obstructive Pulmonary

Disease -- Sex-Related Neuromuscular Adaptations to Youth Obesity: Force, Muscle Mass, and Neural Issues -- Combined Endurance and Strength or Only Endurance Training? Effects of Training Mode on Neuromuscular Characteristics and Functional Abilities in Obese AdolescentGirls Enrolled in a Weight-Reduction Program.

Sommario/riassunto

Much research has focused on the basic cellular and molecular biological aspects of stem cells. Much of this research has been fueled by their potential for use in regenerative medicine applications, which has in turn spurred growing numbers of translational and clinical studies. However, more work is needed if the potential is to be realized for improvement of the lives and well-being of patients with numerous diseases and conditions. This book series 'Cell Biology and Translational Medicine (CBTMED)' as part of Springer Nature’s longstanding and very successful Advances in Experimental Medicine and Biology book series, has the goal to accelerate advances by timely information exchange. Emerging areas of regenerative medicine and translational aspects of stem cells are covered in each volume. Outstanding researchers are recruited to highlight developments and remaining challenges in both the basic research and clinical arenas. This current book is the 21st volume of a continuing series.